

Appl. No. 10/662,029
Amdt Dated: September 23, 2008
Reply to Office Action of August 11, 2008

REMARKS

Claims 1-6 and 8 are canceled without prejudice. Claims 9 and 10 are essentially rewritten in independent form. New claims 11-16 are added. No new matter is entered.

Claim Rejections - 35 U.S.C. §102

Claims 1, 2, and 8 are rejected under 35 U.S.C. §102(b) as being as being anticipated by AAPA.

Claims 1, 2 and 8 have been canceled without prejudice, and therefore the rejections relating thereto are now moot.

Claim Rejections - 35 U.S.C. §103

Claims 3-6 are rejected under 35 U.S.C. §103(a) as being unpatentable over Figure 4 of AAPA.

Claims 3-6 have been canceled without prejudice, and therefore the rejections relating thereto are now moot.

Allowable Subject Matter

It is stated that claims 9 and 10 are allowed.

Claims 9 and 10 have essentially been rewritten in independent form to include all of the limitations of the respective base claims 8 and 1, respectively. As such, claims 9 and 10 should be allowable in their current independent forms.

New Claims

Newly added claims 11-15 directly depend on claim 10, and include the patentably distinguishing features of claim 10. It is submitted that claims 11-15 do not raise new issues. As regards claim 11, Applicant refers to the remarks in section 3. on p.4 of the Office action made in relation to claim 2. Applicant submits that claim 11 recites subject matter substantially the same as the subject matter of claim 2. As regards claims 12-15, Applicant refers to the remarks in section 5 on page 5 of the Office action made in relation to claims 3-6. Applicant submits

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that claims 12-15 recite subject matter substantially the same as the subject matter of claims 3-6, respectively.

Because claims 11-15 directly depend on claim 10, claims 11-15 should also be patentable (see above).

Newly added claim 16 recites in part:

"A pulse width modulation current adjustment apparatus, comprising: a triangle wave generator...; ... wherein the triangle wave generator includes a first operational amplifier, a front resistor, a first feedback resistor, a second feedback resistor, a first current limiting resistor, a second operational amplifier, a second current limiting resistor, a capacitor, and *a back grounding resistor;... the back grounding resistor electrically connects a non-inverting input terminal of the second operational amplifier to ground; ...*" (emphasis added).

AAPA discloses a pulse width current adjustment apparatus, which includes a sawtooth wave generator 1, a comparator 2, a field effect transistor 3, a power supply 7, current limiting resistors 4, 5, and a modulation voltage source 6 (see paragraph [0002] and FIG. 3). FIG. 6 of AAPA discloses the circuit of the sawtooth wave generator 1. In FIG. 6 of AAPA, the sawtooth wave generator 1 includes a second operational amplifier. However, in FIG. 6 of AAPA, it is distinctly seen that the non-inverting input terminal of the second operational amplifier does not electrically connect to anything.

Therefore, no element of AAPA (specifically, the resistor R3 in FIG. 6) could be regarded as teaching or suggesting the back grounding resistor of claim 16. That is, AAPA fails to disclose, teach or suggest the back grounding resistor as recited in claim 16. Thus AAPA fails to teach or suggest "*the back grounding resistor electrically connects a non-inverting input terminal of the second operational amplifier to ground,*" as recited in claim 16.

As such, newly added claim 16 is submitted to be novel, unobvious, and patentable over AAPA under both 35 U.S.C. §102 and 35 U.S.C. §103.

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CONCLUSION

Applicant submits that the foregoing Amendment and Response place this application in condition for allowance. If Examiner believes that there are any issues that can be resolved by a telephone conference, or that there are any informalities that can be corrected by an Examiner's amendment, please call the undersigned at 714.626.1240.

Respectfully Submitted,

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